

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062322\
 Data File : VW026523.D
 Acq On : 23 Jun 2022 18:44
 Operator : SY/MD
 Sample : N3400-11DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD8DL

Quant Time: Jun 24 02:04:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 24 00:51:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	215412	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	196627	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	98733	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	80458	4.644	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.800%
7) Chloroethane-d5	1.577	69	66268	4.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.200%
11) 1,1-Dichloroethene-d2	2.118	63	109270	3.550	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.000%
20) 2-Butanone-d5	3.921	46	100804	58.528	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.060%
24) Chloroform-d	4.359	84	132585	4.682	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.040	65	56175	5.150	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.056	84	278219	4.926	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.072	67	80061	5.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.320	98	226489	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.629	79	18361	4.574	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.092	63	81150	53.071	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.140%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	53609	5.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.622	152	88141	5.394	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.256	50	713	0.040	ug/L	87
6) Bromomethane	1.532	94	511	0.049	ug/L	88
8) Chloroethane	1.597	64	29586	2.278	ug/L	94
16) Methylene chloride	2.519	84	20885	1.352	ug/L	96
27) 1,2-Dichloroethane	5.111	62	1377	0.109	ug/L #	72
30) Cyclohexane	4.683	56	56890	2.970	ug/L	95
33) Benzene	5.108	78	171644	2.990	ug/L	100
35) Methylcyclohexane	6.133	83	61281	2.745	ug/L #	88
39) cis-1,3-Dichloropropene	6.992	75	1262	0.091	ug/L #	39
44) trans-1,3-Dichloropropene	7.625	75	791	0.076	ug/L	89
45) 1,1,2-Trichloroethane	7.789	97	4515	0.517	ug/L #	23
52) Ethylbenzene	9.011	91	464170	7.573	ug/L	99
53) m,p-Xylene	9.140	106	220960	9.241	ug/L	99
60) Isopropylbenzene	9.931	105	537281	8.824	ug/L	100
61) 1,2,3-Trichloropropane	10.352	75	5445	0.852	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.915	105	31242	0.649	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	31242	0.658	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.410	75	1235	1.077	ug/L #	1
71) Naphthalene	13.500	128	328315	16.735	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 24 00:51:15 2022
Response via : Initial Calibration

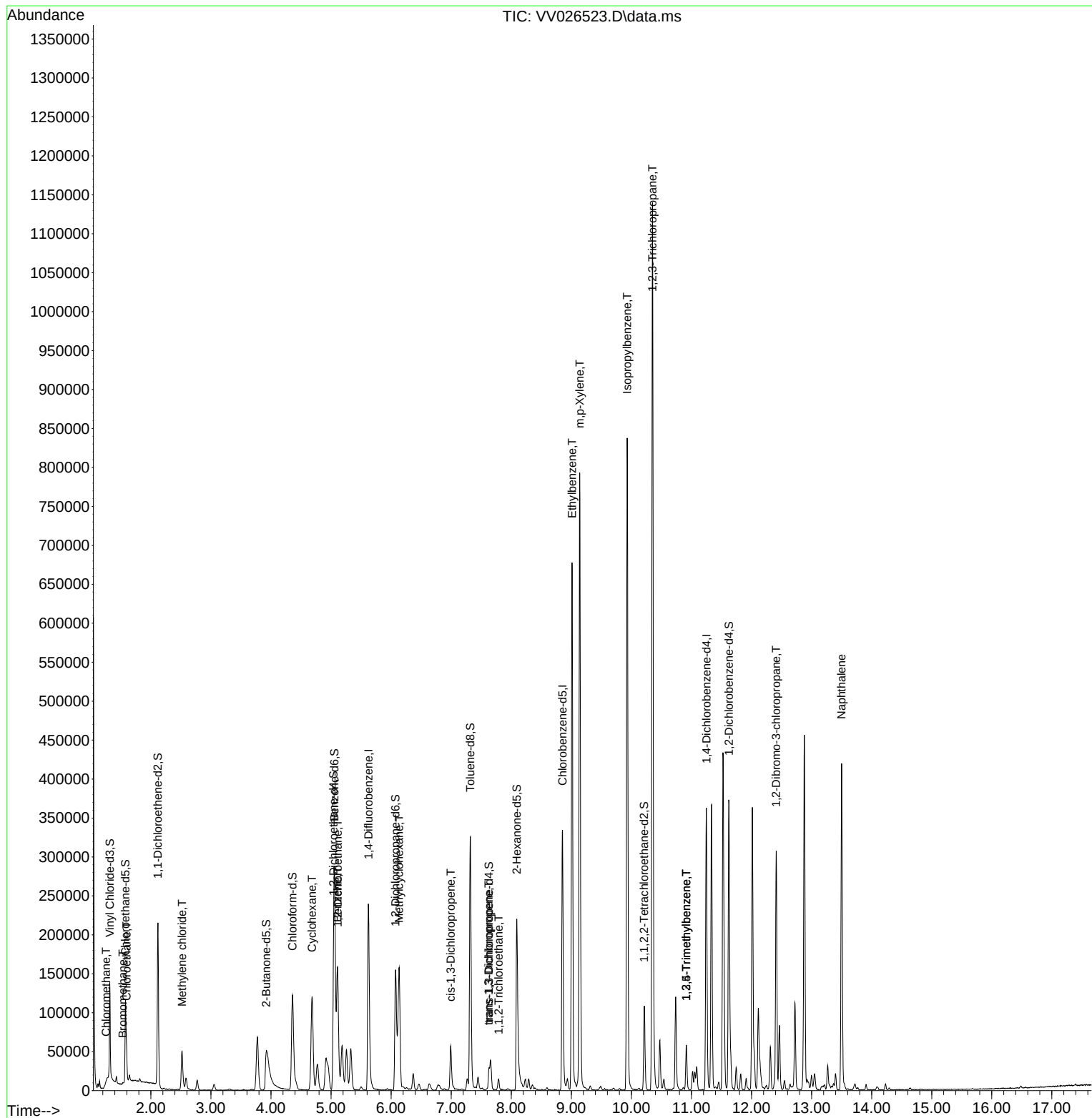
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

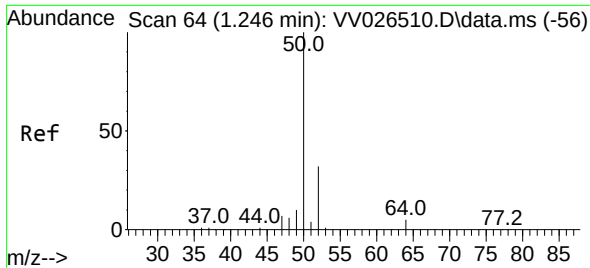
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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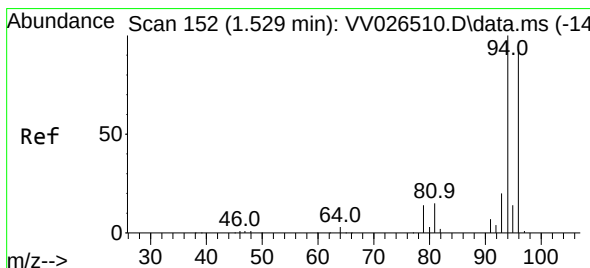
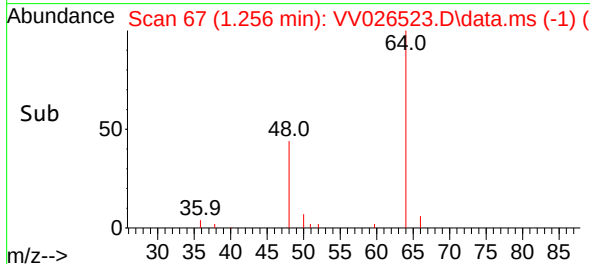
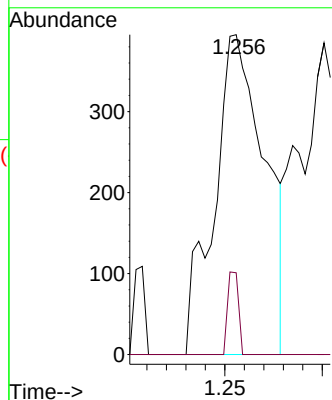
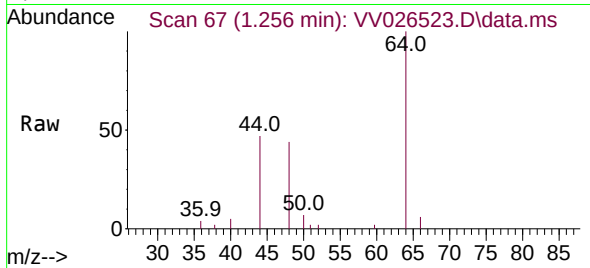




#3
Chloromethane
Concen: 0.040 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.010 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

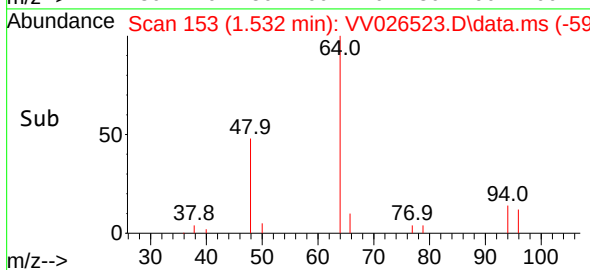
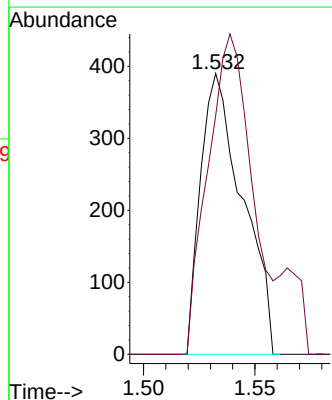
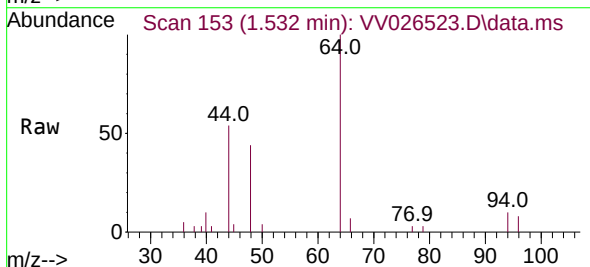
Instrument :
MSVOA_V
ClientSampleId :
C0AD8DL

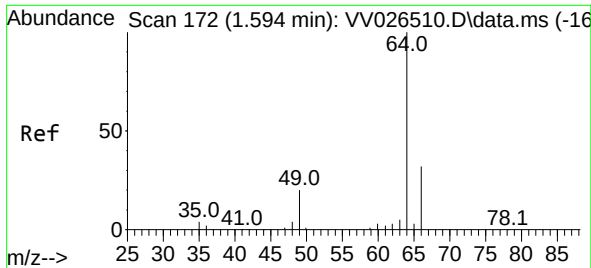
Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 25.6 23.0 42.6



#6
Bromomethane
Concen: 0.049 ug/L
RT: 1.532 min Scan# 153
Delta R.T. 0.003 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 85.1 68.0 126.2

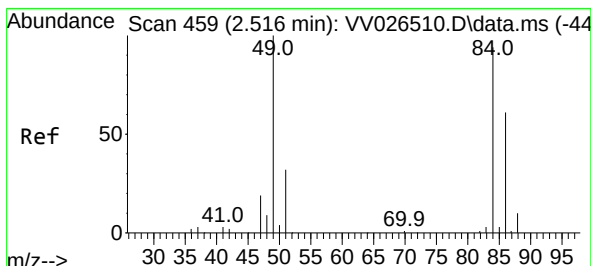
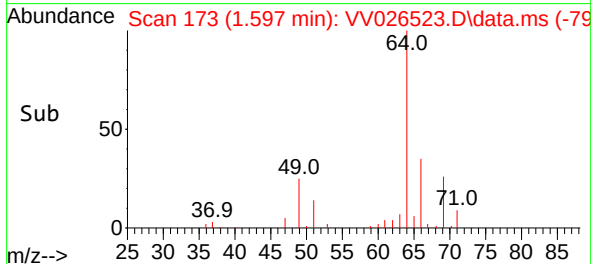
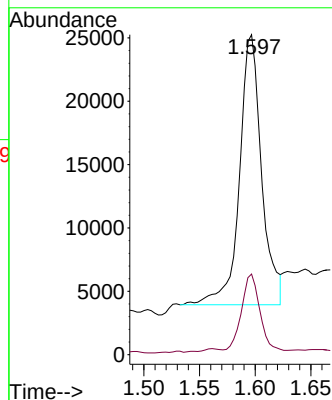
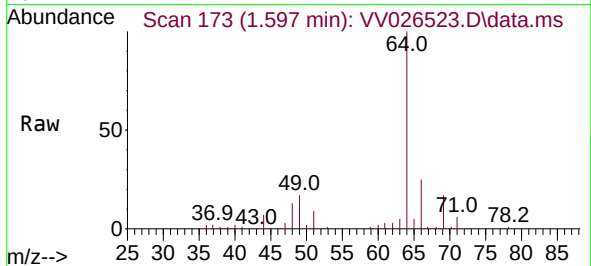




#8
Chloroethane
Concen: 2.278 ug/L
RT: 1.597 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

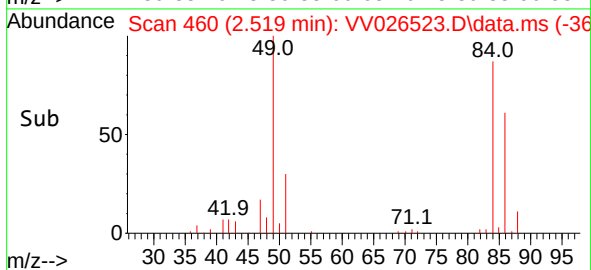
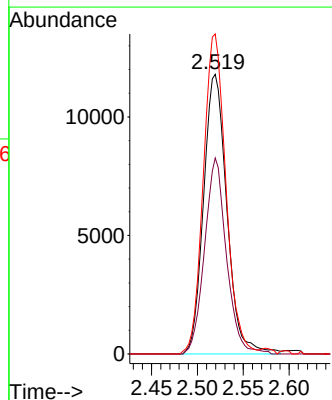
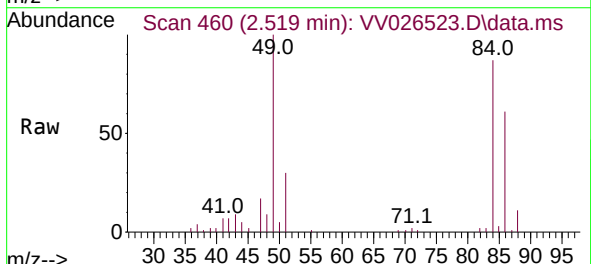
Instrument :
MSVOA_V
ClientSampleId :
C0AD8DL

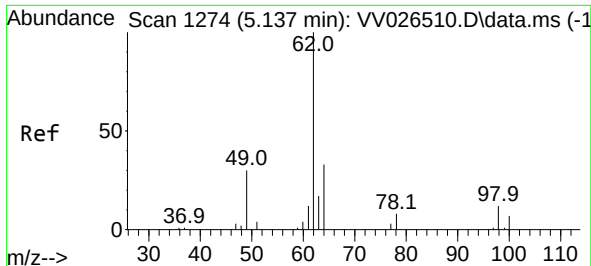
Tgt Ion: 64 Resp: 29586
Ion Ratio Lower Upper
64 100
66 25.2 20.0 37.2



#16
Methylene chloride
Concen: 1.352 ug/L
RT: 2.519 min Scan# 460
Delta R.T. 0.003 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

Tgt Ion: 84 Resp: 20885
Ion Ratio Lower Upper
84 100
86 70.1 46.0 85.4
49 114.4 77.7 144.3





#27

1,2-Dichloroethane

Concen: 0.109 ug/L

RT: 5.111 min Scan# 1126

Delta R.T. -0.026 min

Lab File: VV026523.D

Acq: 23 Jun 2022 18:44

Instrument :

MSVOA_V

ClientSampleId :

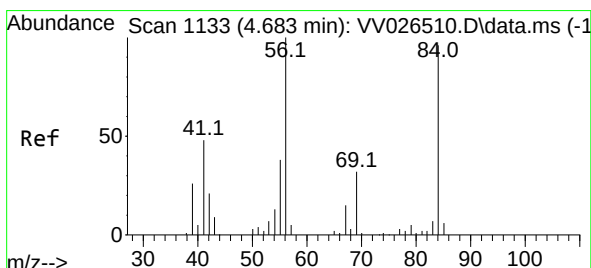
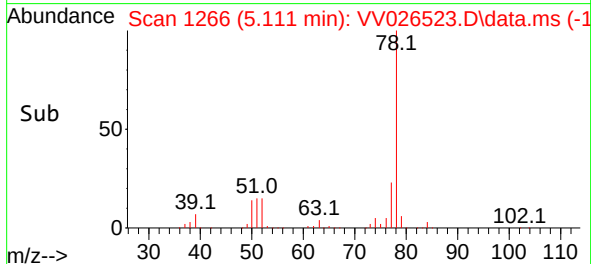
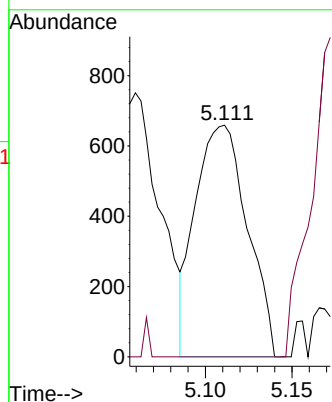
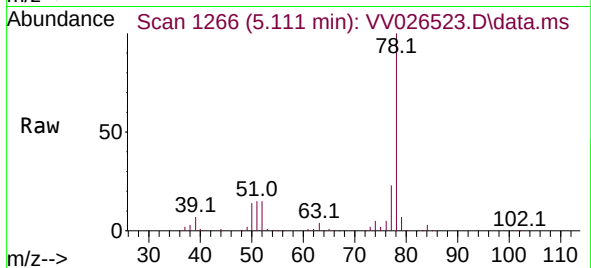
C0AD8DL

Tgt Ion: 62 Resp: 1377

Ion Ratio Lower Upper

62 100

98 0.0 8.4 12.6#



#30

Cyclohexane

Concen: 2.970 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VV026523.D

Acq: 23 Jun 2022 18:44

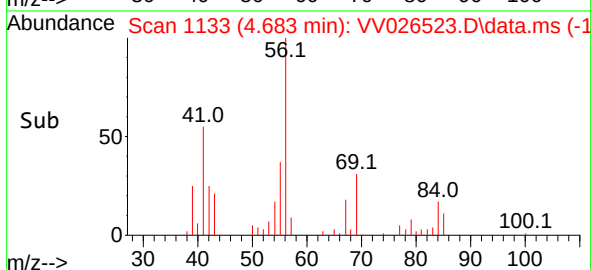
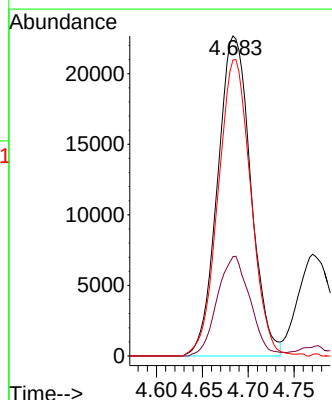
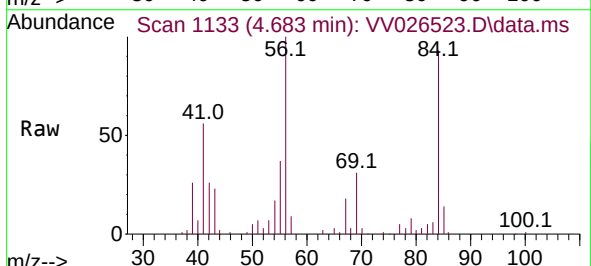
Tgt Ion: 56 Resp: 56890

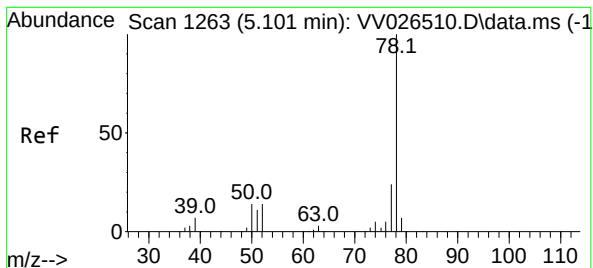
Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.2

84 91.3 77.8 116.6





#33

Benzene

Concen: 2.990 ug/L

RT: 5.108 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV026523.D

Acq: 23 Jun 2022 18:44

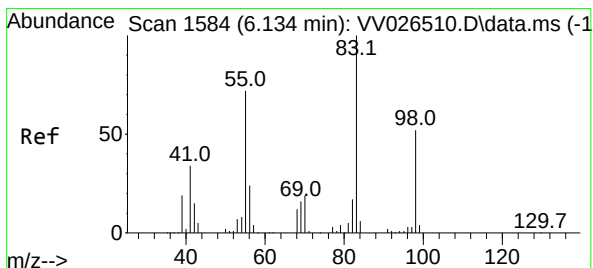
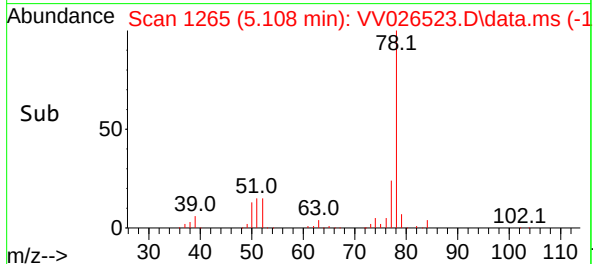
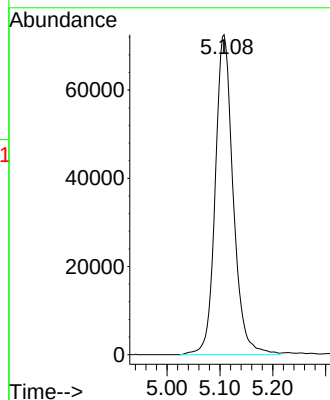
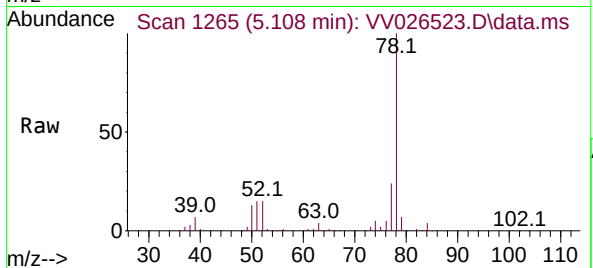
Instrument :

MSVOA_V

ClientSampleId :

C0AD8DL

Tgt Ion: 78 Resp: 171644



#35

Methylcyclohexane

Concen: 2.745 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. -0.000 min

Lab File: VV026523.D

Acq: 23 Jun 2022 18:44

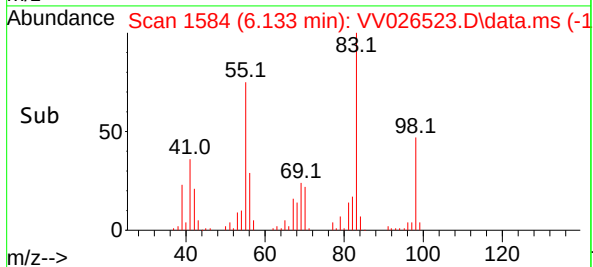
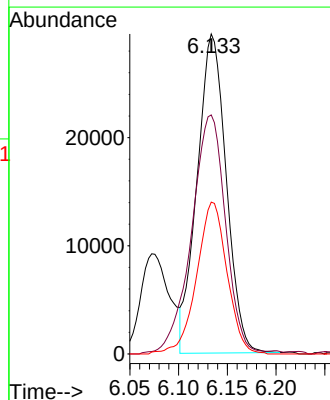
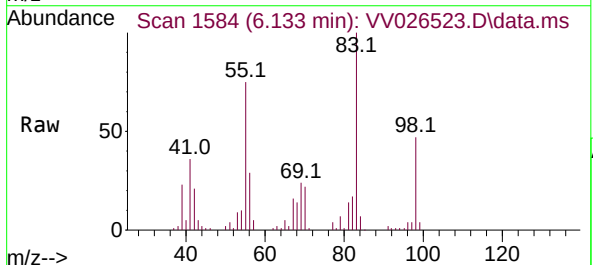
Tgt Ion: 83 Resp: 61281

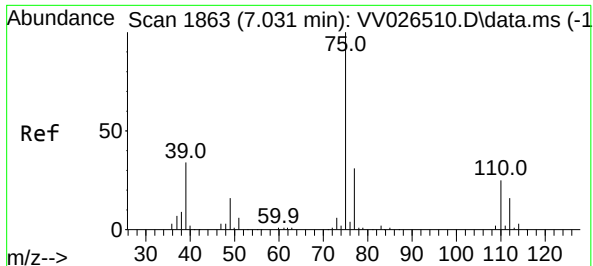
Ion Ratio Lower Upper

83 100

55 87.8 57.0 85.4#

98 49.7 39.8 59.8





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV026523.D

Acq: 23 Jun 2022 18:44

Instrument :

MSVOA_V

ClientSampleId :

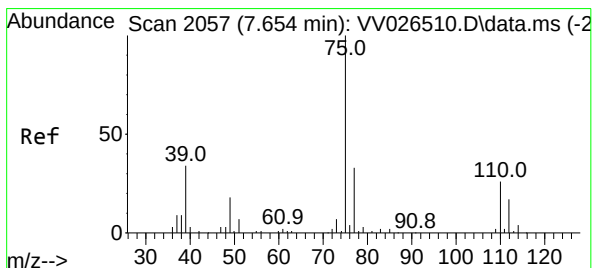
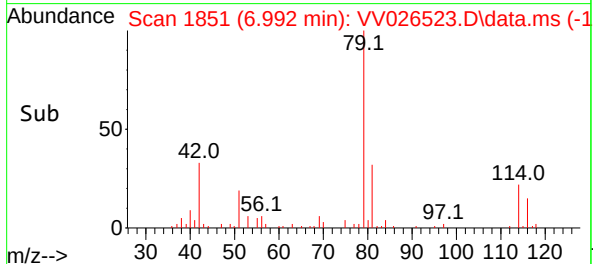
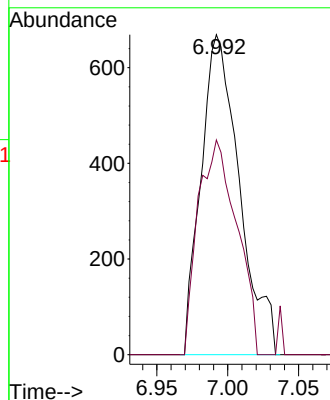
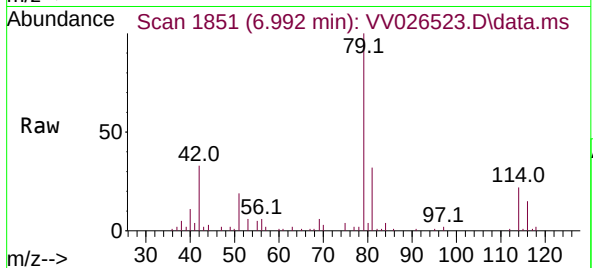
C0AD8DL

Tgt Ion: 75 Resp: 1262

Ion Ratio Lower Upper

75 100

77 67.1 22.8 42.4#



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.029 min

Lab File: VV026523.D

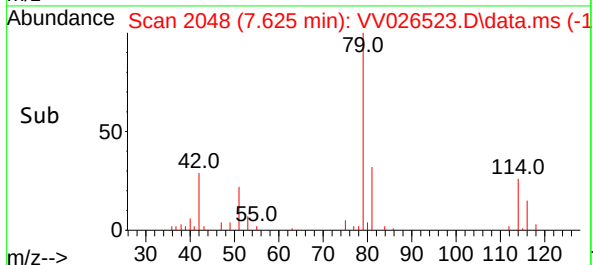
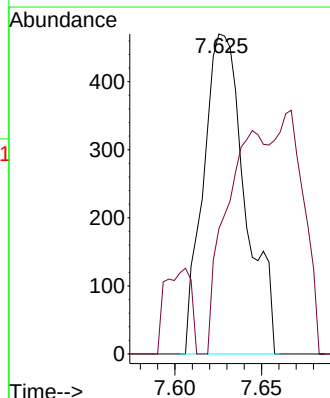
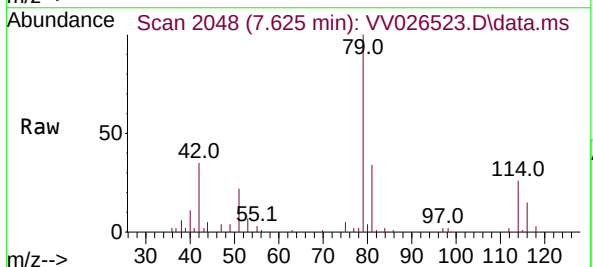
Acq: 23 Jun 2022 18:44

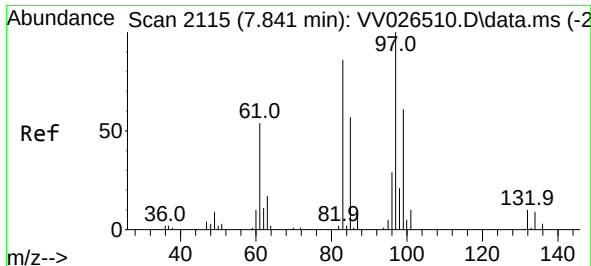
Tgt Ion: 75 Resp: 791

Ion Ratio Lower Upper

75 100

77 39.1 23.1 42.9

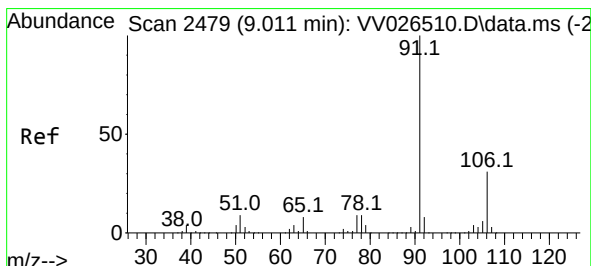
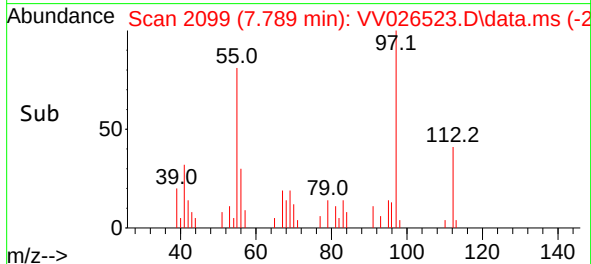
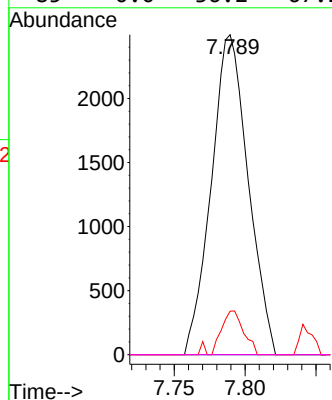
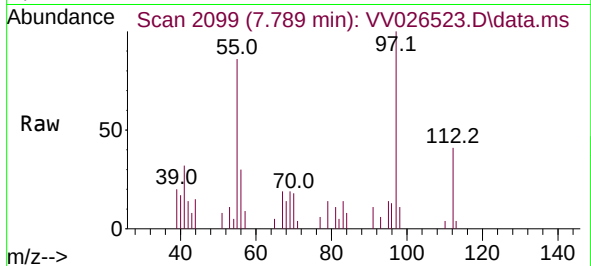




#45
 1,1,2-Trichloroethane
 Concen: 0.517 ug/L
 RT: 7.789 min Scan# 2099
 Delta R.T. -0.051 min
 Lab File: VV026523.D
 Acq: 23 Jun 2022 18:44

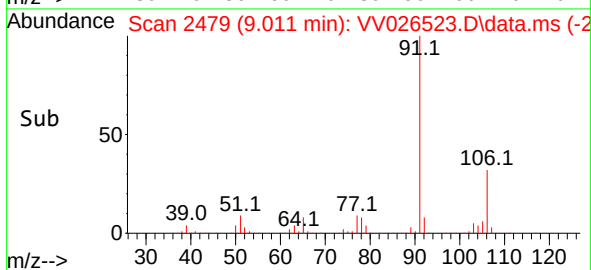
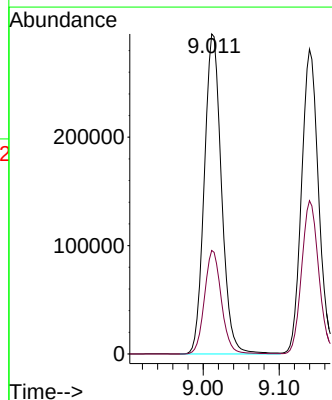
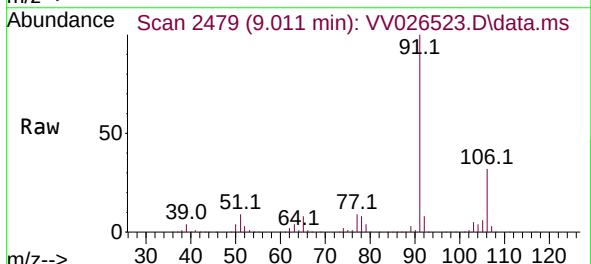
Instrument :
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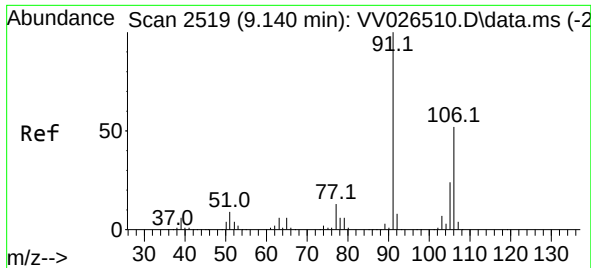
Tgt Ion: 97	Resp: 4515
Ion Ratio	Lower Upper
97 100	
99 0.0	43.4 80.6#
83 13.6	58.0 107.8#
85 0.0	36.2 67.2#



#52
 Ethylbenzene
 Concen: 7.573 ug/L
 RT: 9.011 min Scan# 2479
 Delta R.T. -0.000 min
 Lab File: VV026523.D
 Acq: 23 Jun 2022 18:44

Tgt Ion: 91	Resp: 464170
Ion Ratio	Lower Upper
91 100	
106 32.3	22.1 41.1

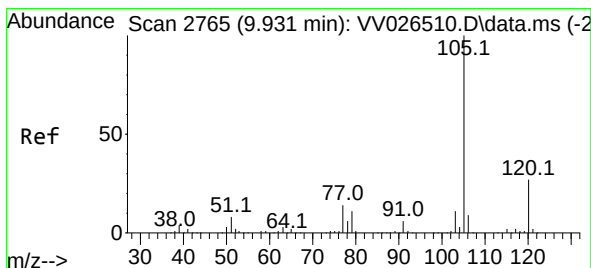
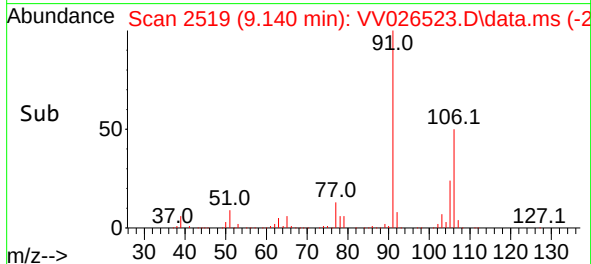
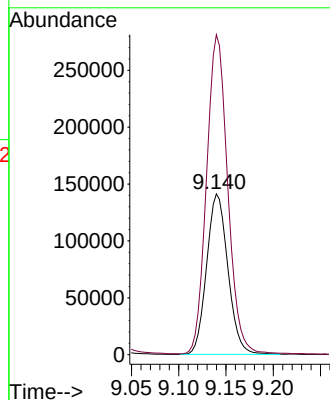
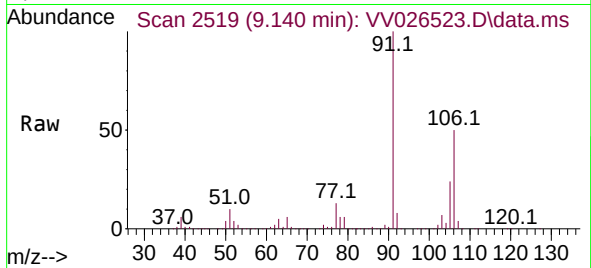




#53
m,p-Xylene
Concen: 9.241 ug/L
RT: 9.140 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

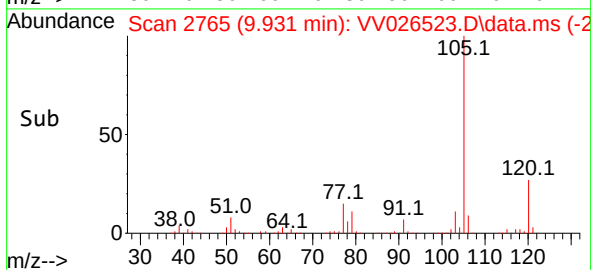
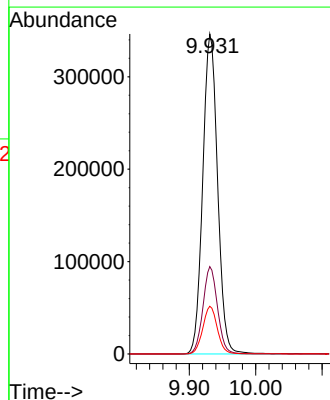
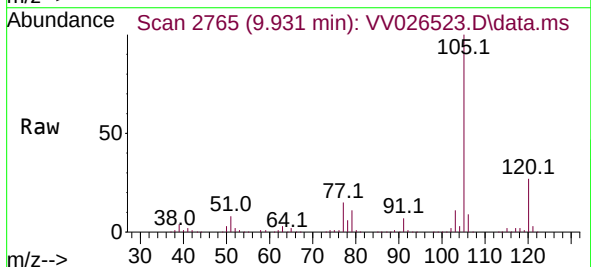
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MSVOA_V
ClientSampleId :
C0AD8DL

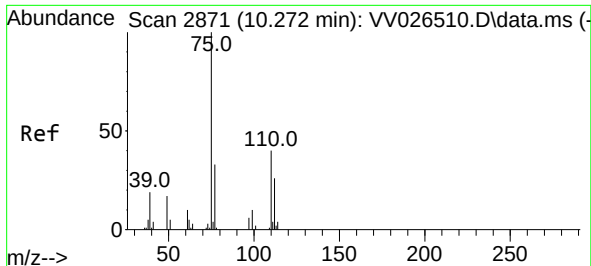
Tgt Ion:106 Resp: 220960
Ion Ratio Lower Upper
106 100
91 198.9 139.9 259.9



#60
Isopropylbenzene
Concen: 8.824 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

Tgt Ion:105 Resp: 537281
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 14.6 11.6 17.4

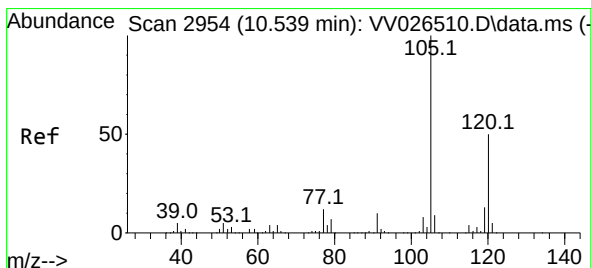
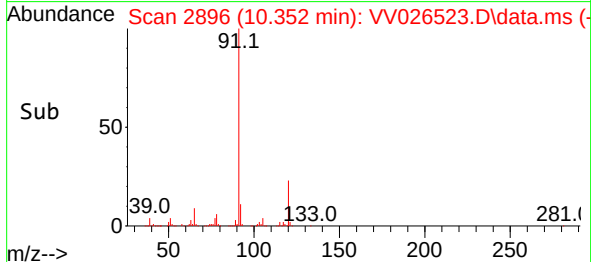
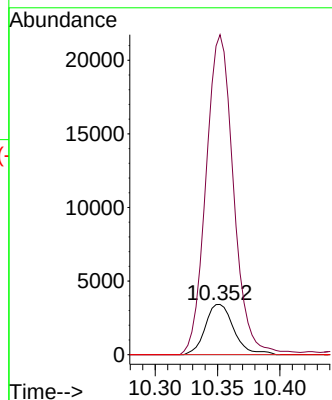
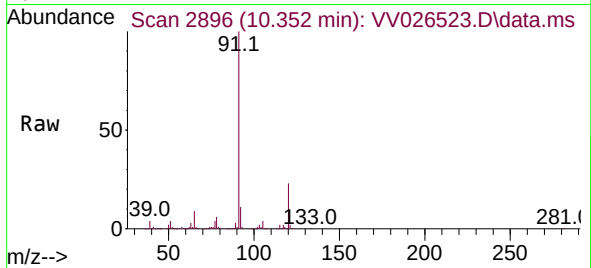




#61
1,2,3-Trichloropropane
Concen: 0.852 ug/L
RT: 10.352 min Scan# 21
Delta R.T. 0.080 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

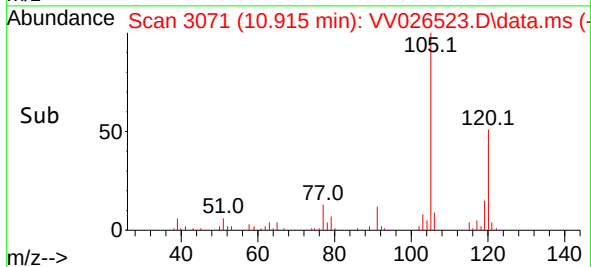
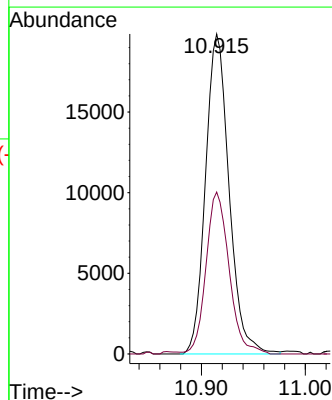
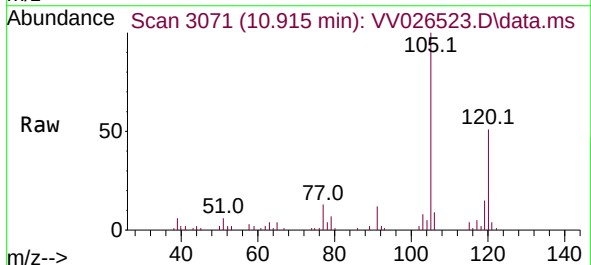
Instrument :
MSVOA_V
ClientSampleId :
C0AD8DL

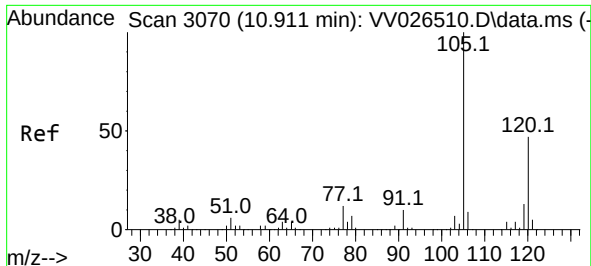
Tgt Ion: 75 Resp: 5445
Ion Ratio Lower Upper
75 100
77 615.6 25.8 38.6#
110 0.0 32.5 48.7#



#62
1,3,5-Trimethylbenzene
Concen: 0.649 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.376 min
Lab File: VV026523.D
Acq: 23 Jun 2022 18:44

Tgt Ion: 105 Resp: 31242
Ion Ratio Lower Upper
105 100
120 49.7 39.6 59.4

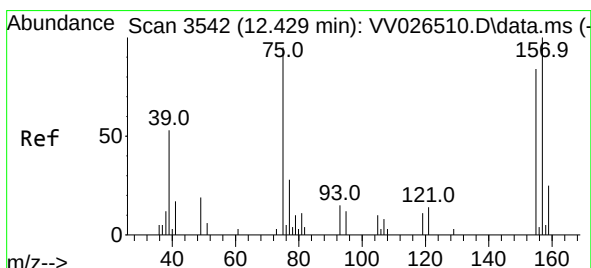
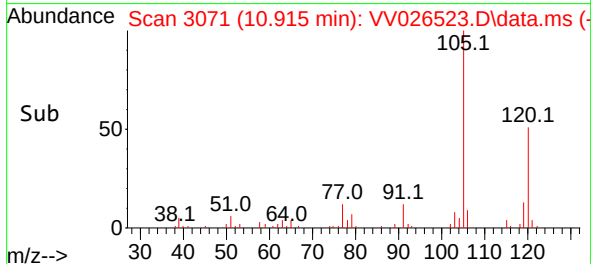
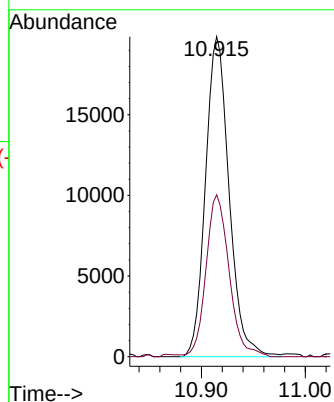
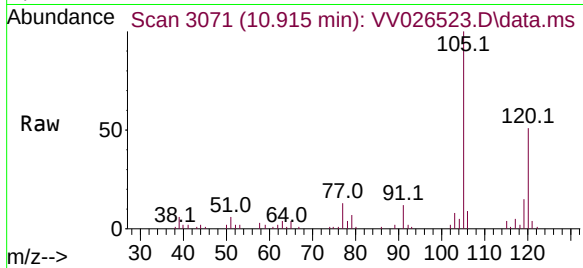




#63
 1,2,4-Trimethylbenzene
 Concen: 0.658 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.003 min
 Lab File: VV026523.D
 Acq: 23 Jun 2022 18:44

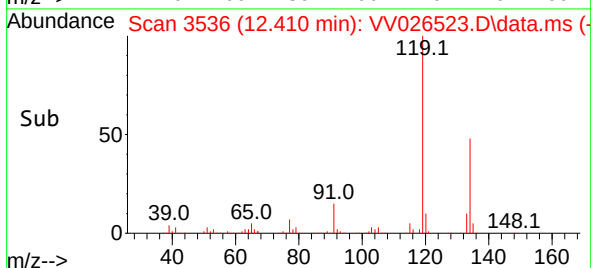
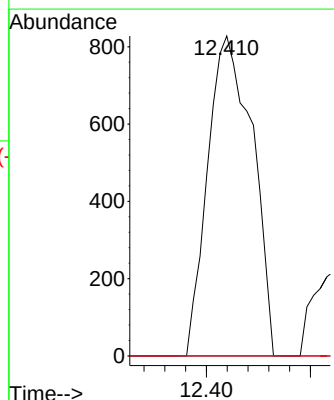
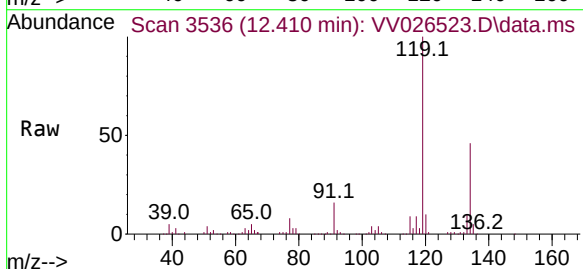
Instrument :
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 ClientSampleId :
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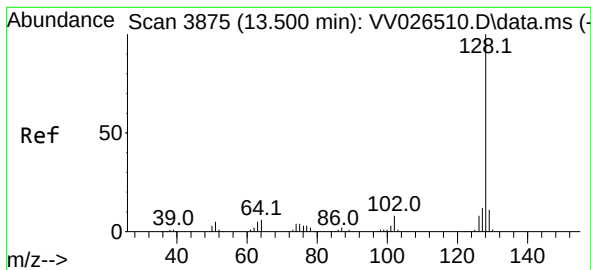
Tgt Ion:105 Resp: 31242
 Ion Ratio Lower Upper
 105 100
 120 49.7 37.4 56.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.077 ug/L
 RT: 12.410 min Scan# 3536
 Delta R.T. -0.019 min
 Lab File: VV026523.D
 Acq: 23 Jun 2022 18:44

Tgt Ion: 75 Resp: 1235
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.7 112.1#
 157 0.0 96.9 145.3#





#71

Naphthalene

Concen: 16.735 ug/L

RT: 13.500 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV026523.D

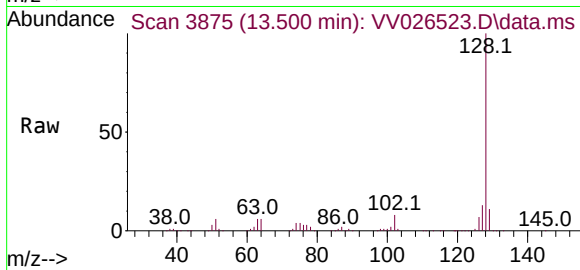
Acq: 23 Jun 2022 18:44

Instrument :

MSVOA_V

ClientSampleId :

C0AD8DL



Tgt Ion:128 Resp: 328315

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.9 10.2 15.4

